

Application: 10/536919

10/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350: Derwent WPIX

(c) 2011 Thomson Reuters. All rights reserved.

0013567745 *Drawing available*

WPI Acc no: 2003-662063/200362

XRPX Acc No: N2003-528335

**Telecommunication network communication method, involves sending Internet protocol message to target communication network based on Internet protocol address received in response to query message having telephone number**

Patent Assignee: MOTOROLA INC (MOTI); SEGAL N N (SEGA-I)

Inventor: SEGAL N N; NATH S N

Patent Family ( 11 patents, 101 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030128693	A1	20030710	US 2002346914	P	20020107	200362	B
			US 2002160895	A	20020603		
WO 2003058900	A1	20030717	WO 2003US283	A	20030107	200362	E
KR 2003080074	A	20031010	KR 2003711674	A	20030905	200413	E
AU 2003206409	A1	20030724	AU 2003206409	A	20030107	200421	E
EP 1466452	A1	20041013	EP 2003703707	A	20030107	200467	E
			WO 2003US283	A	20030107		
CN 1565113	A	20050112	CN 2003800047	A	20030107	200526	E
JP 2005515665	W	20050526	JP 2003559094	A	20030107	200535	E
			WO 2003US283	A	20030107		
KR 548862	B1	20060202	KR 2003711674	A	20030905	200703	E
			WO 2003US283	A	20030107		
JP 3905085	B2	20070418	JP 2003559094	A	20030107	200728	E
			WO 2003US283	A	20030107		
US 7274683	B2	20070925	US 2002160895	A	20020603	200765	E
CN 100405789	C	20080723	CN 2003800047	A	20030107	200878	E

Priority Applications (no., kind, date): US 2002346914 P 20020107; US 2002160895 A 20020603

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 20030128693	A1	EN	10	6	Related to Provisional	US 2002346914
WO 2003058900	A1	EN				
National	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK					

Designated States,Original	DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW					
Regional Designated States,Original	AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG ZM ZW					
AU 2003206409	A1	EN			Based on OPI patent	WO 2003058900
EP 1466452	A1	EN			PCT Application	WO 2003US283
					Based on OPI patent	WO 2003058900
Regional Designated States,Original	AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR					
JP 2005515665	W	JA	12		PCT Application	WO 2003US283
					Based on OPI patent	WO 2003058900
KR 548862	B1	KO			PCT Application	WO 2003US283
					Previously issued patent	KR 2003080074
					Based on OPI patent	WO 2003058900
JP 3905085	B2	JA	10		PCT Application	WO 2003US283
					Previously issued patent	JP 2005515665
					Based on OPI patent	WO 2003058900

**Telecommunication network communication method, involves sending Internet protocol message to target communication network based on Internet protocol address received in response to query message having telephone number** Alerting Abstract ...NOVELTY - The method involves sending an Internet protocol (IP) query message containing a **telephone number** associated with target telecommunication network and receives an **IP address** associated with the target network in response to the query message. The method then involves sending an IP message to the target network based on the **IP address**. Original Publication Data by AuthorityArgentina**Publication No. ...Original Abstracts:**for information associated with a target telecommunications network (400), wherein the IP message comprises a **telephone number** associated with the target telecommunication network (400) adapted to receive in response to the **IP** query message an **IP address** (2) associated with the target telecommunications network (400) and adapted to send an IP message to the target telecommunications network (400) using the **IP address** (2) associated with the target telecommunications network (400)... to deliver SCCP-user messages to the destination node using Global Title Information based on **IMSI** or E.164 numbers. Network operators populate ENUM **databases** with MAP URIs associated with mobility services such as MSC, **HLR**, and VLR. End point service node IP addresses, associated with a set of services, are... to deliver SCCP-user messages to the destination node using Global Title Information based on **IMSI** or E.164 numbers. Network operators populate ENUM **databases** with MAP URIs associated with mobility services such as MSC, **HLR**, and VLR. End point service node IP addresses, associated with a set of services, are... for information associated with a target telecommunications network (400), wherein the IP message comprises a **telephone number** associated with the target telecommunication network (400) adapted to

receive in response to the **IP** query message an **IP address** (2) associated with the target telecommunications network (400) and adapted to send an IP message to the target telecommunications network (400) using the **IP address** (2) associated with the target telecommunications network (400)...  
...**Claims:**used as a target, it is a step which transmits IP inquiry message containing the **telephone number** relevant to said 2nd telecommunication

DIALOG(R)File 348: EUROPEAN PATENTS  
(c) 2011 European Patent Office. All rights reserved.  
11/3K/1 (Item 1 from file: 348)  
01500169

**POSITIONING OF TERMINAL EQUIPMENT**  
**POSITIONIERUNG VON ENDGERATEN**  
**POSITIONNEMENT D'UN EQUIPEMENT TERMINAL**

**Patent Assignee:**

- **TeliaSonera Finland Oyj** (2871984)  
Teollisuuskatu 15; 00510 Helsinki (FI)  
(Proprietor designated states: all)

**Inventor:**

- **KARHU, Pekka**  
Lokkalantie 16 B 54; FIN-00330 Helsinki; (FI)
- **KEISALA, Ilkka**  
Pyorrekujä 4 F 77; FIN-01600 Vantaa; (FI)
- **LAMMINLUOTO, Markku**  
Suvikuja 2 H 67; FIN-00780 Helsinki; (FI)

**Legal Representative:**

- **Simmelvuo, Markku Kalevi et al (82422)**  
Papula Oy, P.O. Box 981; 00101 Helsinki; (FI)

	Country	Number	Kind	Date	
Patent	EP	1342388	A1	20030910	(Basic)
Patent	EP	1342388	B1	20060419	
	WO	2002054811		20020711	
Application	EP	2001272498		20011217	
	WO	2001FI1105		20011217	
Priorities	FI	202757		20001215	

**Designated States:**

AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

**Extended Designated States:**

AL; LT; LV; MK; RO; SI

**International Patent Class (V7):** H04Q-007/38; H04Q-007/22; H04L-029/06

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
H04Q-0007/38	A	I	F	B	20060101	20020715	H	EP
H04Q-0007/22	A	I	L	B	20060101	20020715	H	EP
H04L-0029/06	A	I	L	B	20060101	20020715	H	EP

**NOTE:** No A-document published by EPO

**Language** Publication: English

Procedural: English

Application: Finnish

Fulltext Availability	Available Text	Language	Update	Word Count
CLAIMS B		(English)	200616	4059
CLAIMS B		(German)	200616	3478
CLAIMS B		(French)	200616	4493
SPEC B		(English)	200616	7952
Total Word Count (Document A) 0				
Total Word Count (Document B) 19982				
Total Word Count (All Documents) 19982				

**Specification:** ...of the user of the terminal device are determined, and they are saved to a **database**. The service provider sends an inquiry, which contains the **IP address** allocated to the PDP context. Based on this, it is possible to retrieve from the **database** the subscriber identifier of the user of the terminal device that is preferably a **MSISDN** number. Based on the subscriber identifier, a location server finds out the **IMSI** identifier from a **home location register**, and further the address of an SGSN node (SGSN, Serving GPRS Support Node) serving the...the user of the GPRS terminal device are determined, and they are saved to a **database**. The service provider sends an inquiry, which contains the **IP address** allocated to the PDP context. Based on this, from the **database**, the subscriber identifier of the user of the terminal device is retrieved that is advantageously a **MSISDN** number. A location server is used to find out the **IMSI** identifier and the address of a serving mobile switching center from a **home location register** based on the subscriber identifier. The location server sends a short message to the terminal... ..this, the location server sends an ATI message consistent with the MAP protocol to the **home location register**, the ATI message containing the subscriber identifier of the user of the terminal device. Instead... ..an ATI message, a SRI message consistent with the MAP protocol may be used. The **home location register** converts the ATI inquiry into a PSI inquiry consistent with the MAP protocol and sends ... ..DM, arrow 4. The message contains at least a subscriber identifier (MSISDN) and a dynamic **IP** address. From the Radius server program DM, the subscriber identifier and the dynamic IP address are copied to the database **DB**, arrow 5. When the service provider receives a location-dependant service request, arrow 6, it... ..the sender that is contained in the service request, a subscriber identifier inquiry to the **data-base DB**, arrow 7. The location-dependant service request is used to mean e.g. a request ... ..terminal device MS in which one wishes to know the restaurants in the neighborhood. The **database DB** returns to the service provider SP the subscriber identifier associated with the IP address that is advantageously a **MSISDN** number, arrow 8. The

DIALOG(R)File 348: EUROPEAN PATENTS  
(c) 2011 European Patent Office. All rights reserved.  
11/3K/2 (Item 2 from file: 348)  
01497714

**A SYSTEM AND A METHOD TO IDENTIFY MOBILE USERS**  
SYSTEM UND VERFAHREN ZUR IDENTIFIZIERUNG MOBILER BENUTZER  
SYSTEME ET METHODE PERMETTANT D'IDENTIFIER DES UTILISATEURS DE TELEPHONES  
MOBILES

**Patent Assignee:**

- **TELIASONERA AB** (8207660)  
106 63 Stockholm; (SE) (Proprietor designated states: all)

**Inventor:**

- **ANDERSSON, Greger**  
Ornens vag 28; S-136 40 Haninge; (SE)
- **ENGBERG, Thomas**  
Helmer Osslundsvag 6; S-864 32 Matfors; (SE)
- **LILJESTAM, Lars**  
Lysekilsvagen 25; S-857 33 Sundsvall; (SE)

**Legal Representative:**

- **Hopfgarten, Nils et al (41445)**  
Groth & Co.KB P.O. Box 6107; 102 32 Stockholm; (SE)

	Country	Number	Kind	Date	
Patent	EP	1371243	A1	20031217	(Basic)
Patent	EP	1371243	B1	20090812	
	WO	2002073991		20020919	
Application	EP	2002704018		20020311	
	WO	2002SE445		20020311	
Priorities	SE	01832		20010312	

**Extended Designated States:**

LT; LV

**International Patent Class (V7):** H04Q-007/22; H04Q-007/38

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
H04W-0012/06	A	I	F	B	20090101	20090204	H	EP

**NOTE:** No A-document published by EPO

**Language** Publication: English

Procedural: English

Application: English

Fulltext Availability	Available Text	Language	Update	Word Count
CLAIMS B		(English)	200933	1079
CLAIMS B		(German)	200933	1069
CLAIMS B		(French)	200933	1384
SPEC B		(English)	200933	3781
Total Word Count (Document A) 0				
Total Word Count (Document B) 7313				
Total Word Count (All Documents) 7313				

**Specification:** ...subscriber of the mobile operator.

The GPRS-network stores information about time of the day, **IMSI**, **MSISDN** and allocated **IP-address** when the GPRS-procedure PDP Context Activation is activated. By a change in the GPRS... ..to distribute the CDR to suitable after-treatment system, in this case an IP-logging **database** for misuse on Internet. From the information in the stored **database** it then will be possible to, together with customer information in **HLR** (connection **IMSI**-customer), find out the identity of the misuser.

With the technology of today, one is... ..Radius-server then registers password, user name and time of the day in a network **database** together with one from a DHCP-server allocated global **IP-address**. At the log out, when the IPaddress is returned to the IP-pool, the new...

DIALOG(R)File 348: EUROPEAN PATENTS  
(c) 2011 European Patent Office. All rights reserved.  
11/3K/7 (Item 7 from file: 348)  
01237789

**Telecommunication system**

Telekommunikationssystem

Systeme de telecommunications

**Patent Assignee:**

- **LUCENT TECHNOLOGIES INC.** (2143720)  
600 Mountain Avenue; Murray Hill, New Jersey 07974-0636 (US)  
(Proprietor designated states: all)

**Inventor:**

- **Casati, Alessio**  
17 Otter Way; Wootton Bassett, Wiltshire SN4 7SH; (GB)
- **Palat, Kumar Sudeep**  
26 Heytsbury Gardens, Grange Park; Swindon, Wiltshire SN5 6EE; (GB)
- **Yamini, Hatef**  
16A Park Lane; Swindon, Wiltshire SN1 5HG; (GB)
- **Jang, Jin**  
45 Goldsborough Close, Eastleaze; Swindon, Wiltshire SN5 7EP; (GB)

**Legal Representative:**

- **Williams, David John et al (86431)**  
Lucent Technologies EUR-IP UK Ltd Unit 18, Core 3 Workzone Innova Business Park Electric Avenue;  
Enfield, EN3 7XU; (GB)

	Country	Number	Kind	Date	
Patent	EP	1071268	A1	20010124	(Basic)
Patent	EP	1071268	B1	20060920	
Application	EP	99305778		19990721	

**Designated States:**

AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LI; LU; MC; NL; PT; SE

**Extended Designated States:**

AL; LT; LV; MK; RO; SI

**International Patent Class (V7):** H04M-007/00; H04Q-007/22

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
H04M-0007/00	A	I	F	B	20060101	19991130	H	EP
H04Q-0007/22	A	I	L	B	20060101	19991130	H	EP

**Abstract Word Count:** 68

**NOTE: Figure number on first page:** 2

**Language** Publication: English

Procedural: English

Application: English

Fulltext Availability Available Text	Language	Update	Word Count
CLAIMS A	(English)	200104	483
SPEC A	(English)	200104	2084
CLAIMS B	(English)	200638	535
CLAIMS B	(German)	200638	468
CLAIMS B	(French)	200638	639
SPEC B	(English)	200638	2207
Total Word Count (Document A) 2567			
Total Word Count (Document B) 3849			
Total Word Count (All Documents) 6416			

**Specification:** ...station.

Step S2 - The home gatekeeper 15 checks with the directory server 20 or the **home location register HLR** 17 and maps the called **MSISDN** number to the **IMSI** of the called mobile station.

Step S3 - The home gatekeeper 15 is aware of the... ...mobile station is currently roaming, and relays the modified call setup message in which the **IMSI** number is inserted as an alias address of the called mobile station.

Step S4 - Upon... ...setup message, the serving gatekeeper 22 of the visiting network checks if there is an **IMSI** number for the called mobile station.

Step S5 - If an **IMSI** number is presented, the gatekeeper 22 contacts the serving GGSN 23, which starts a PDP context setup procedure. If no **IMSI** number is presented and there is no PDP context associated with the called mobile station... ...Step S6 - Once a PDP context is established, the serving GGSN 23 returns the assigned **IP address** of the called mobile station to the serving GK 22. It will be recalled that the serving GK is provided with a mapping **table** to map the mobile station's **MSISDN** number to its **IMSI** number.

Step S7 - The serving GK then relays the call set message to the mobile... ...procedure assuming that the home GK of the called MS is enhanced to map an **MSISDN** number to its **IMSI** number.

It is then possible to set up the message in conventional manner and the...

**Specification:** ...station.

Step S2 - The home gatekeeper 15 checks with the directory server 20 or the **home location register HLR 17** and maps the called **MSISDN** number to the **IMSI** of the called mobile station.

Step S3 - The home gatekeeper 15 is aware of the... ..mobile station is currently roaming, and relays the modified call setup message in which the **IMSI** number is inserted as an alias address of the called mobile station.

Step S4 - Upon... ..setup message, the serving gatekeeper 22 of the visiting network checks if there is an **IMSI** number for the called mobile station.

Step S5 - If an **IMSI** number is presented, the gatekeeper 22 contacts the serving GGSN 23, which starts a PDP context setup procedure. If no **IMSI** number is presented and there is no PDP context associated with the called mobile station... ..Step S6 - Once a PDP context is established, the serving GGSN 23 returns the assigned **IP address** of the called mobile station to the serving GK 22. It will be recalled that the serving GK is provided with a mapping **table** to map the mobile station's **MSISDN** number to its **IMSI** number.

Step S7 - The serving GK then relays the call set message to the mobile... ..procedure assuming that the home GK of the called MS is enhanced to map an **MSISDN** number to its **IMSI** number.

It is then possible to set up the message in conventional manner and the...

11/3K/12 (Item 4 from file: 349)  
DIALOG(R)File 349: PCT FULLTEXT  
(c) 2011 WIPO/Thomson. All rights reserved.

00920683

**POSITIONING OF TERMINAL EQUIPMENT**  
**POSITIONNEMENT D'UN EQUIPEMENT TERMINAL**

**Patent Applicant/Patent Assignee:**

- **SONERA OYJ**  
Teollisuuskatu 15, FIN-00510 Helsinki; FI; FI(Residence); FI(Nationality); (For all designated states except: US)

**Patent Applicant/Inventor:**

- **KARHU Pekka**  
Lokkalantie 16 B 54, FIN-00330 Helsinki; FI; FI(Residence); FI(Nationality); (Designated only for: US)
- **KEISALA Ilkka**  
Pyyrrekuja 4 F 77, FIN-01600 Vantaa; FI; FI(Residence); FI(Nationality); (Designated only for: US)
- **LAMMINLUOTO Markku**  
Suvikuja 2 H 67, FIN-00780 Helsinki; FI; FI(Residence); FI(Nationality); (Designated only for: US)

**Legal Representative:**

- **PAPULA OY (agent)**  
P.O. Box 981, Fredrikinkatu 61 A, FIN-00101 Helsinki; FI

	Country	Number	Kind	Date
Patent	WO	200254811	A1	20020711
Application	WO	2001FI1105		20011217
Priorities	FI	20002757		20001215

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AT (utility model), AU, AZ, BA, BB,  
BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, DZ, EC, EE,  
EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR,  
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model),  
SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,

VN, YU, ZA, ZM, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: Finnish

Fulltext word count: 11286

### Detailed Description:

...DM, arrow 4. The message contains at least a subscriber identifier (MSISDN) and a dynamic **IP** address. From the Radius server program DM, the subscriber identifier and the dynamic IP address are copied to the database **DB**, arrow 5. When the service provider receives a location-dependant service request, arrow 6, it... ..the sender that is contained in the service request, a subscriber identifier inquiry to the **database DB**, arrow 7. The location-dependant service request is used to mean e.g. a... ..terminal device MS in which one wishes to know the restaurants in the neighbourhood. The **database DB** returns to the service provider SP the subscriber identifier associated with the IP address that is advantageously a **MSISDN** number, arrow 8. The service provider SP sends to the message means IP of the location server LOC a location information request which contains the subscriber identifier (**MSISDN**), arrow 9.

The message means IP transmit the subscriber identifier further to the signaling interface SS7, arrow 10.

The signaling interface SS7 sends to the home location **register HLR** a Send Routing Info for Short Message inquiry which contains the subscriber identifier **MSISDN**, arrow 11. As shown by arrow 12, the **home location register HLR** responds with a Send Routing Info for Short Message Response message. This message contains the **IMSI** identifier corresponding to the **MSISDN** number. In addition, it contains the address of the mobile switching center MSC serving the... neighbourhood. The message means IP of the location server

LOC are used check from the **database DB** with what subscriber identifier the received dynamic IP address is associated, arrows 31 and ... ..is transmitted further to the signaling interface SS7.

The signaling interface SS7 sends to the **home location register HLR** a Send **IMSI** inquiry which contains the subscriber identifier **MSISDN**, arrow 34. As shown by arrow 35, the **home location register HLR** sends an **IMSI** identifier to the signaling interface SS7. Next, the signaling interface SS7 sends to the **home location register HLR** a Send routing Info for GPRS service inquiry which contains the **IMSI** identifier previously retrieved, arrow 36. As shown by arrow 37, the signaling interface SS7...

11/3K/14 (Item 6 from file: 349)  
DIALOG(R)File 349: PCT FULLTEXT  
(c) 2011 WIPO/Thomson. All rights reserved.

00877217

**SERVICES IN A MOBILE TELECOMMUNICATIONS NETWORK**  
PROCEDES ET SYSTEMES ASSURANT DES SERVICES DE RESEAU DE TELECOMMUNICATIONS  
MOBILES DANS UN NOEUD D'ACHEMINEMENT DE RESEAU

**Patent Applicant/Patent Assignee:**

- **TEKELEC**  
26580 West Agoura Road, Calabasas, CA 91302; US; US(Residence); US(Nationality)

**Inventor(s):**

- **TURGEON Joseph Leonard**  
512 Dunwood Drive, Raleigh, NC 27615; US
- **FENNELL Chester C Jr**  
416 Solandra Lane, Apex, NC 27502; US
- **SLATE Larry Gene**  
1303 Chenworth Drive, Apex, NC 27502; US
- **BAGAASEN Byron C**  
109 Downing Forest Place, Apex, NC 27502; US
- **MARSICO Peter J**  
201 Westbrook Drive, #D15, Carrboro, NC 27510; US

**Legal Representative:**

- **JENKINS Richard E (agent)**  
Jenkins & Wilson, P.A., University Tower, Suite 1401, 3100 Tower Boulevard, Durham, NC 27707; US

	Country	Number	Kind	Date
Patent	WO	200211462	A2-A3	20020207
Application	WO	2001US23833		20010727
Priorities	US	2000626590		20000727

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)  
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,  
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE,  
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO,  
NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,  
SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,  
YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 9483

### Detailed Description:

...a manner similar to those mobile service applications described above, it will be appreciated that **HLR** application 382 is adapted not only to receive and process **HLR** related service requests but also to generate messages in response to the receipt of certain such **HLR** related service request messages.

WWW application 384 contains the logic necessary to interpret a WWW... ...could involve the translation of a called or calling party mobile identification number (e.g., **MSISDN** or **IMSI**)

into a corresponding WWW-capable address, such as an email address or a 1 0 URL address. Shown in Figure 8 is a sample WWW **database** process 456 that comprises the WWW application 384. WWW **database** 456 includes a listing of subscriber **MSISDN** or iSMI numbers with associated subscriber email and URL address values. As such, it will... ...the receipt of certain WWW related service messages. It will be further appreciated that WWW **database** 456 could also be configured to include a relationship between a mobile subscriber identification number (e.g., **MSISDN** or **IMSI**) and an **Internet Protocol (IP) address** and port number.

Sample IVISIVI Message Flow For **HLR** Update

Continuing with Figure 7, the path of a typical SS7 mobile service signaling message...

11/3K/20 (Item 12 from file: 349)  
DIALOG(R)File 349: PCT FULLTEXT  
(c) 2011 WIPO/Thomson. All rights reserved.

00766357

**MOBILITY WITHIN A PACKET-SWITCHED TELEPHONY NETWORK**  
**MOBILITE A L'INTERIEUR D'UN RESEAU TELEPHONIQUE COMMUTE PAR PAQUETS**

**Patent Applicant/Patent Assignee:**

- **NOKIA NETWORKS OY**  
P.O. Box 300, Nokia Group, FIN-00045 Helsinki; FI; FI(Residence); FI(Nationality); (Designated only for: LC)
- **NOKIA INC**  
6000 Connection Drive, Irving, TX 75029; US; US(Residence); US(Nationality); (Designated only for: LC)

**Inventor(s):**

- **EINOLA Heikki Juhani**  
Kaksoiskiventie 7-9 B 5, FIN-02760 Espoo; FI
- **SUOKNUUTI Marko Juhani**  
Santakatu 1 B 36, FIN-00180 Helsinki; FI
- **MIKKONEN Aki Petteri**  
Ylistorma 4 1 72, FIN-02210 Espoo; FI
- **KOSKIVIRTA Tero**  
Haltijatontuntie 23 A, FIN-02200 Espoo; FI
- **SAUNAMAKI Jukka-Pekka**  
Torpparintie 8, FIN-02180 Espoo; FI
- **PESSI Pekka Tapio**  
Keiteleenite 1 C 18, FIN-00550 Helsinki; FI

**Legal Representative:**

- **STOUT Donald E**  
Antonelli, Terry, Stout & Kraus, LLP, Suite 1800, 1300 North Seventeenth Street, Arlington, VA 22209; US

	Country	Number	Kind	Date
Patent	WO	200079761	A1	<b>20001228</b>
Application	WO	2000IB779		20000612
Priorities	US	99337330		19990621

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK,  
DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,  
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,  
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,  
MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,  
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 18796

### Detailed Description:

...manner,  
the Gateway Function 210 looks like either a cellular Home  
Function 266 (e.g., **HLR** 264) or a cellular Visited Function 274  
to the cellular network 260.

The MIPTN Home... ...Processing Service (CPS) 410, a Location and  
Directory Service (LDS) 412 and a Home Function **Database** (HDB)  
414.

HDB 414 stores subscriber profiles and location information  
for MIPTN subscribers (e.g., the **IP address** and port number of  
the Visited Function identifying where the subscriber can be  
reached). The... ...retrieval to HDB 414 upon  
request. The HDB also maintains the mapping or correspondence  
between **IMSI**, **MSISDN** and the transport address of the serving  
Visited Function where the subscriber can be reached... ...Function if the MIPTN subscriber is roaming within  
the  
MIPTN 202, and will be the **IP address** of the Gateway Function if  
the MIPTN subscriber has roamed to the cellular network 260 (the  
15  
serving cellular Visited Function can be accessed through the

Gateway Function 210). The **IMSI** and **MSISDN** for a subscriber are static, whereas the serving transport address is dynamic (i.e., may... ..260) .

CPS 410 requests the transport address corresponding to an identified called subscriber (based on **IMSI** or **MSISDN**) from the LDS 412. LDS 412 provides the requested transport address to the CPS 410...

DIALOG(R)File 348: EUROPEAN PATENTS  
(c) 2011 European Patent Office. All rights reserved.  
13/3K/1 (Item 1 from file: 348)  
01757681

**METHODS AND DEVICE FOR PREFERABLY SELECTING A COMMUNICATION NETWORK WHICH MAKES DATA SERVICE AVAILABLE**  
VERFAHREN UND GERAT ZUR BEVORZUGTEN AUSWAHL EINES KOMMUNIKATIONSNETZES, DAS DATENDIENSTE VERFUGBAR MACHT  
PROCEDES ET DISPOSITIF POUR SELECTIONNER DE PREFERENCE UN RESEAU DE COMMUNICATION QUI REND DES SERVICES DE DONNEES DISPONIBLE

**Patent Assignee:**

- **Research In Motion Limited** (1900501)  
295 Phillip Street; Waterloo, Ontario N2L 3W8 (CA)  
(Proprietor designated states: all)

**Inventor:**

- **HIND, Hugh**  
610 Wissler Road; Waterloo, Ontario N2K 3Z2; (CA)
- **CHURCH, Mark, E.**  
45 Samuel Street; Kitchener, Ontario N2H 1P2; (CA)
- **NAQVI, Noushad**  
617 Yarmouth Drive; Waterloo, Ontario N2K 4C1; (CA)

**Legal Representative:**

- **Roberts, Gwilym Vaughan et al (78342)**  
Kilburn & Strode 20 Red Lion Street; London WC1R 4PJ; (GB)

	Country	Number	Kind	Date	
Patent	EP	1566071	A2	20050824	(Basic)
Patent	EP	1566071	B1	20071128	
	WO	2004040931		20040513	
Application	EP	2003809674		20031030	
	WO	2003CA1661		20031030	
Priorities	US	422124	P	20021030	

**Extended Designated States:**  
AL; LT; LV; MK

**International Patent Class (V7): H04Q-007/38**

<b>International Classification (Version 8) IPC</b>	<b>Level</b>	<b>Value</b>	<b>Position</b>	<b>Status</b>	<b>Version</b>	<b>Action</b>	<b>Source</b>	<b>Office</b>
H04Q-0007/38	A	I	F	B	20060101	20040518	H	EP

**NOTE:** No A-document published by EPO

**Language** Publication: English

Procedural: English

Application: English

<b>Fulltext Availability</b>	<b>Available Text</b>	<b>Language</b>	<b>Update</b>	<b>Word Count</b>
CLAIMS B		(English)	200748	732
CLAIMS B		(German)	200748	659
CLAIMS B		(French)	200748	913
SPEC B		(English)	200748	9923
Total Word Count (Document A) 0				
Total Word Count (Document B) 12227				
Total Word Count (All Documents) 12227				

**Specification:** ...network and provides its identification code. For GSM/GPRS, this code could include both the **International Mobile Subscriber Identity (IMSI)** or Temporary **Mobile Subscriber Identity (TMSI)**, which identify a communication network account or subscription, and a Mobile Station ISDN/PSTN Number **MSISDN**, which identifies the mobile station user or subscriber. If mobile station 115 is attempting to... ..to verify the subscription with home network 120. This causes home network 120 to reference **HLR** 150 to determine if the subscription is valid. Once verified, mobile station 115 is placed in VLR **table** 155 of visiting network 125. To one skilled in the art, this procedure is similar... ..PDP context targets an APN and home service 100. The PDP context also allocates an **IP address** for mobile station 115 so that IP packets can be transmitted in either direction. SGSN...